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Bicycle Repair Stations Proposal

Amount Requested: \$6,000

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University Housing

Qualifications/Experience: For this project, University Housing's Carpentry Department, headed by Christopher Spell, have experience in assembling the repair stations as they have already assembled a few.

Purpose and Description

Sustainability Theme:

This project will be addressing the theme of **Transportation**.

Project Summary:

Many Georgia Southern Eagles use their bicycles to get from one side of campus to the other on a daily basis. Just like any other vehicle, bicycles require occasional maintenance and repairs. One of the only places on campus to have your bicycle repaired is at Southern Adventures which is located behind the RAC, but what if a student's bike chain comes off at Eagle Village? That is a fairly long way to transport a dysfunctional bicycle! What if a student needs to ride somewhere at 1 am, but Southern Adventures is closed? Georgia Southern University's Housing department would like to purchase parts for, assemble, and install 12 bicycle repair stations throughout the various housing complexes. These repair stations will be strategically placed for students to conveniently perform a number of repairs to their bicycles. The stations will come equipped with tools that will allow users to inflate their bicycle tires, remove the bicycle wheels, adjust brakes, adjust seat height, adjust gears, put the chain on or take it off, and pretty much perform any repair that doesn't include welding or fixing bearings.

Project Description:

Project Goals

To give students the opportunity to easily perform minor repairs to their bicycle without having to transport their dysfunctional bike relatively long distances (i.e Southern Adventures at the RAC).

Total Cost

The total cost for this project will be \$6,000.

Benefits:

- a) Conveniently allows students to repair bicycles themselves
- b) 24/7 availability
- c) Reduced traffic/parking lot congestion
- d) Visible evidence that Georgia Southern supports and values alternative transportation

Results for this project are not quantitatively measurable. Instead, we will use observation to see if the repair stations are frequently being used.

Project Timeline:

Implementation Plan:

If the proposal is accepted and approved, purchasing will be carried out as soon as the funds are available to us. Following the purchase of parts, the stations will be assembled and installed within the fiscal year. Georgia Southern Housing's Christopher Spell and his crew will be in charge of assembly and installation of all repair stations.

Budget

Item	Supplier	Quantity	Unit	Unit Price	Cost
Station Base	Roberts Welding & Machine Shop	12	each	\$350	\$4,200
Tool Set	Amazon	12	each	\$60	\$720
Tire Pump	Amazon	12	each	\$25	\$300
Cables/Anchor	Lowe's	12	each	\$45	\$540
Paint	Sherwin Williams	12	each	\$20	\$240
Total					\$6,000

Budget Justification:

Above is the breakdown of the parts that will need to be purchased in order to make the bicycle repair stations. The station base is what will be anchored to the ground and this is what everything is attached to. The tool sets as well as the tired pumps will be connected by tamper-proof stainless steel cables to prevent theft. The paint is to color the repair station navy blue because the base comes in an unfinished metal color.

Measurements

Project Value:

This project supports sustainability and green initiatives by encouraging the use of bicycles as a means of transportation by making the campus more cyclist-friendly. With more bicycles in use, there are less motorized, carbon-emitting vehicles being used to get from point A to point B which, indirectly, improves air quality, reduces parking lot and street congestion, and reduces noise pollution. The stations will also serve as visible evidence that Georgia Southern supports and encourages alternative methods of transportation.

Outreach Plan:

For this project, we will have a GS News-type press release to announce the locations of the bike repair stations and we will also include that the Center for Sustainability has funded the project. The newsletter will be sent out as soon as the repair stations are installed which will be, at the latest, the end of fiscal year 2017. In addition to this, we will have stickers of the Center for Sustainability logo on the repair stations.

Approvals and Attachments**Approval:**

Only internal approval is needed for this project and it has already been granted by the Director of Housing, Michael Head.

Attachments:

Attached below are three images of bicycle repair stations similar to the ones we will be installing if funds are awarded.





